

Amendments to the Claims:

This listing will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original): A rubber composition for magnetic encoder, which comprises ethylene-methyl copolymer rubber, magnetic powder and an amine-based vulcanizing agent.

Claim 2 (original): A rubber composition for magnetic encoder, which comprises 100 parts by weight of ethylene-methyl acrylate copolymer rubber, 300-1,000 parts by weight of magnetic powder and 0.5-5 parts by weight of an amine-based vulcanizing agent.

Claim 3 (currently amended): A rubber composition for magnetic encoder according to Claim ~~1 or 2~~, 1, wherein the magnetic powder is ferrite magnetic powder or rare earth metal magnetic powder, ~~each~~ having a particle size of 0.5-10 μ m.

Claim 4 (original): A rubber composition for magnetic encoder according to Claim 3, wherein the ~~ferrite~~ magnetic powder is strontium ferrite magnetic powder or barium ferrite magnetic powder.

Claim 5 (currently amended): A magnetic encoder obtained by vulcanization molding ~~from~~ a rubber composition according to Claim 1, ~~1 or 2~~.

Claim 6 (original): A magnetic encoder according to Claim 5 ~~for use in~~ in combination with a wheel speed sensor.

Claim 7 (newly added): A rubber composition for magnetic encoder according to Claim 2, wherein the magnetic powder is ferrite magnetic powder or rare earth metal magnetic powder, having a particle size of 0.5-10 μ m.

Claim 8 (newly added): A rubber composition for magnetic encoder according to Claim 7, wherein the magnetic powder is strontium ferrite magnetic powder or barium ferrite magnetic powder.

Claim 9 (newly added): A magnetic encoder obtained by vulcanization molding ~~from~~ a rubber composition according to Claim 2.

Claim 10 (newly added): A magnetic encoder according to Claim 9 in combination with a wheel speed sensor.